

SEQUENTIAL BINARY SEARCH

Sort entries
of table in
increasing
order

SELECT
MIDDLEMOST
ENTRY IN
REMAINING TABLE

COMPARE
SELECTED ENTRY
TO SEARCH KEY

Specialty
ENTRY
= SO A R L R
KEY
T

SELECTED ENTRY > SEARCH KEY

DISCARD LEAST
→ HALF OF
REMAINING TABLE

DISCARD UPPER N
PART OF
REMAINING TABLE

↓ ~ 18
OUTPUT INDEX
OF SELECTED
ENTRY

END

FIGURE 1 (PRIOR ART)

1. *Chlorophyll a* (Chl *a*)
2. *Chlorophyll b* (Chl *b*)
3. *Chlorophyll c* (Chl *c*)
4. *Chlorophyll d* (Chl *d*)
5. *Chlorophyll e* (Chl *e*)
6. *Chlorophyll f* (Chl *f*)
7. *Chlorophyll g* (Chl *g*)
8. *Chlorophyll h* (Chl *h*)
9. *Chlorophyll i* (Chl *i*)
10. *Chlorophyll j* (Chl *j*)
11. *Chlorophyll k* (Chl *k*)
12. *Chlorophyll l* (Chl *l*)
13. *Chlorophyll m* (Chl *m*)
14. *Chlorophyll n* (Chl *n*)
15. *Chlorophyll o* (Chl *o*)
16. *Chlorophyll p* (Chl *p*)
17. *Chlorophyll q* (Chl *q*)
18. *Chlorophyll r* (Chl *r*)
19. *Chlorophyll s* (Chl *s*)
20. *Chlorophyll t* (Chl *t*)
21. *Chlorophyll u* (Chl *u*)
22. *Chlorophyll v* (Chl *v*)
23. *Chlorophyll w* (Chl *w*)
24. *Chlorophyll x* (Chl *x*)
25. *Chlorophyll y* (Chl *y*)
26. *Chlorophyll z* (Chl *z*)
27. *Chlorophyll aa* (Chl *aa*)
28. *Chlorophyll ab* (Chl *ab*)
29. *Chlorophyll ac* (Chl *ac*)
30. *Chlorophyll ad* (Chl *ad*)
31. *Chlorophyll ae* (Chl *ae*)
32. *Chlorophyll af* (Chl *af*)
33. *Chlorophyll ag* (Chl *ag*)
34. *Chlorophyll ah* (Chl *ah*)
35. *Chlorophyll ai* (Chl *ai*)
36. *Chlorophyll aj* (Chl *aj*)
37. *Chlorophyll ak* (Chl *ak*)
38. *Chlorophyll al* (Chl *al*)
39. *Chlorophyll am* (Chl *am*)
40. *Chlorophyll an* (Chl *an*)
41. *Chlorophyll ao* (Chl *ao*)
42. *Chlorophyll ap* (Chl *ap*)
43. *Chlorophyll aq* (Chl *aq*)
44. *Chlorophyll ar* (Chl *ar*)
45. *Chlorophyll as* (Chl *as*)
46. *Chlorophyll at* (Chl *at*)
47. *Chlorophyll au* (Chl *au*)
48. *Chlorophyll av* (Chl *av*)
49. *Chlorophyll aw* (Chl *aw*)
50. *Chlorophyll ax* (Chl *ax*)
51. *Chlorophyll ay* (Chl *ay*)
52. *Chlorophyll az* (Chl *az*)
53. *Chlorophyll aza* (Chl *aza*)
54. *Chlorophyll abz* (Chl *abz*)
55. *Chlorophyll acz* (Chl *acz*)
56. *Chlorophyll adz* (Chl *adz*)
57. *Chlorophyll aez* (Chl *aez*)
58. *Chlorophyll afz* (Chl *afz*)
59. *Chlorophyll agz* (Chl *agz*)
60. *Chlorophyll ahz* (Chl *ahz*)
61. *Chlorophyll aiz* (Chl *aiz*)
62. *Chlorophyll ajz* (Chl *ajz*)
63. *Chlorophyll akz* (Chl *akz*)
64. *Chlorophyll alz* (Chl *alz*)
65. *Chlorophyll amz* (Chl *amz*)
66. *Chlorophyll anz* (Chl *anz*)
67. *Chlorophyll aoz* (Chl *aoz*)
68. *Chlorophyll apz* (Chl *apz*)
69. *Chlorophyll aqz* (Chl *aqz*)
70. *Chlorophyll arz* (Chl *arz*)
71. *Chlorophyll asz* (Chl *asz*)
72. *Chlorophyll atz* (Chl *atz*)
73. *Chlorophyll auz* (Chl *auz*)
74. *Chlorophyll avz* (Chl *avz*)
75. *Chlorophyll awz* (Chl *awz*)
76. *Chlorophyll axz* (Chl *axz*)
77. *Chlorophyll ayz* (Chl *ayz*)
78. *Chlorophyll ayz* (Chl *ayz*)
79. *Chlorophyll azz* (Chl *azz*)
80. *Chlorophyll azaa* (Chl *aza*)
81. *Chlorophyll abz* (Chl *abz*)
82. *Chlorophyll acz* (Chl *acz*)
83. *Chlorophyll adz* (Chl *adz*)
84. *Chlorophyll aez* (Chl *aez*)
85. *Chlorophyll afz* (Chl *afz*)
86. *Chlorophyll agz* (Chl *agz*)
87. *Chlorophyll ahz* (Chl *ahz*)
88. *Chlorophyll aiz* (Chl *aiz*)
89. *Chlorophyll ajz* (Chl *ajz*)
90. *Chlorophyll akz* (Chl *akz*)
91. *Chlorophyll alz* (Chl *alz*)
92. *Chlorophyll amz* (Chl *amz*)
93. *Chlorophyll anz* (Chl *anz*)
94. *Chlorophyll aoz* (Chl *aoz*)
95. *Chlorophyll apz* (Chl *apz*)
96. *Chlorophyll aqz* (Chl *aqz*)
97. *Chlorophyll arz* (Chl *arz*)
98. *Chlorophyll asz* (Chl *asz*)
99. *Chlorophyll atz* (Chl *atz*)
100. *Chlorophyll auz* (Chl *auz*)
101. *Chlorophyll avz* (Chl *avz*)
102. *Chlorophyll awz* (Chl *awz*)
103. *Chlorophyll axz* (Chl *axz*)
104. *Chlorophyll ayz* (Chl *ayz*)
105. *Chlorophyll ayz* (Chl *ayz*)
106. *Chlorophyll azz* (Chl *azz*)
107. *Chlorophyll azaa* (Chl *aza*)
108. *Chlorophyll abz* (Chl *abz*)
109. *Chlorophyll acz* (Chl *acz*)
110. *Chlorophyll adz* (Chl *adz*)
111. *Chlorophyll aez* (Chl *aez*)
112. *Chlorophyll afz* (Chl *afz*)
113. *Chlorophyll agz* (Chl *agz*)
114. *Chlorophyll ahz* (Chl *ahz*)
115. *Chlorophyll aiz* (Chl *aiz*)
116. *Chlorophyll ajz* (Chl *ajz*)
117. *Chlorophyll akz* (Chl *akz*)
118. *Chlorophyll alz* (Chl *alz*)
119. *Chlorophyll amz* (Chl *amz*)
120. *Chlorophyll anz* (Chl *anz*)
121. *Chlorophyll aoz* (Chl *aoz*)
122. *Chlorophyll apz* (Chl *apz*)
123. *Chlorophyll aqz* (Chl *aqz*)
124. *Chlorophyll arz* (Chl *arz*)
125. *Chlorophyll asz* (Chl *asz*)
126. *Chlorophyll atz* (Chl *atz*)
127. *Chlorophyll auz* (Chl *auz*)
128. *Chlorophyll avz* (Chl *avz*)
129. *Chlorophyll awz* (Chl *awz*)
130. *Chlorophyll axz* (Chl *axz*)
131. *Chlorophyll ayz* (Chl *ayz*)
132. *Chlorophyll ayz* (Chl *ayz*)
133. *Chlorophyll azz* (Chl *azz*)
134. *Chlorophyll azaa* (Chl *aza*)
135. *Chlorophyll abz* (Chl *abz*)
136. *Chlorophyll acz* (Chl *acz*)
137. *Chlorophyll adz* (Chl *adz*)
138. *Chlorophyll aez* (Chl *aez*)
139. *Chlorophyll afz* (Chl *afz*)
140. *Chlorophyll agz* (Chl *agz*)
141. *Chlorophyll ahz* (Chl *ahz*)
142. *Chlorophyll aiz* (Chl *aiz*)
143. *Chlorophyll ajz* (Chl *ajz*)
144. *Chlorophyll akz* (Chl *akz*)
145. *Chlorophyll alz* (Chl *alz*)
146. *Chlorophyll amz* (Chl

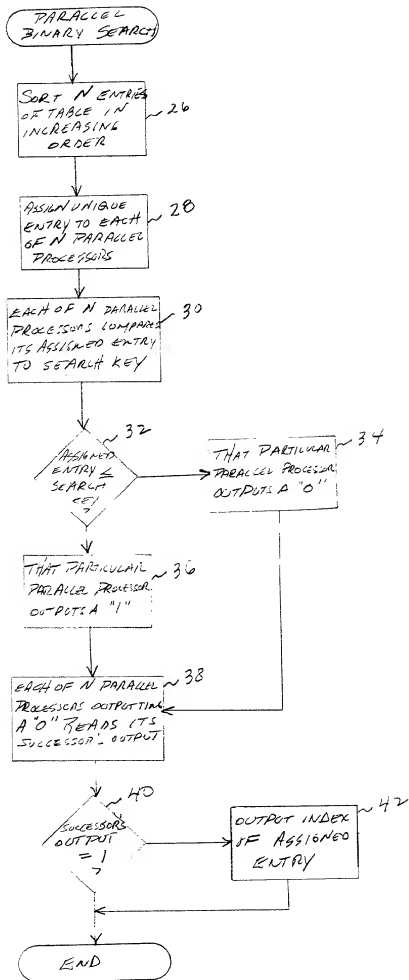
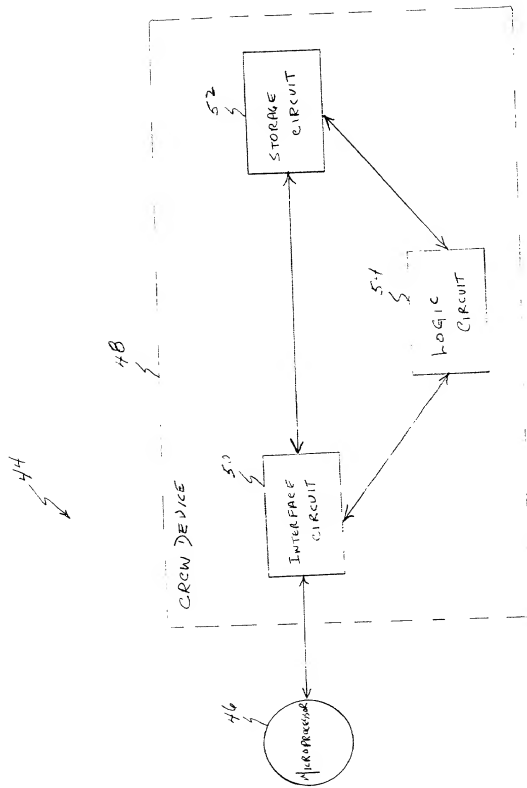


FIGURE 2 (PRIOR ART)

FIGURE 3

099256601

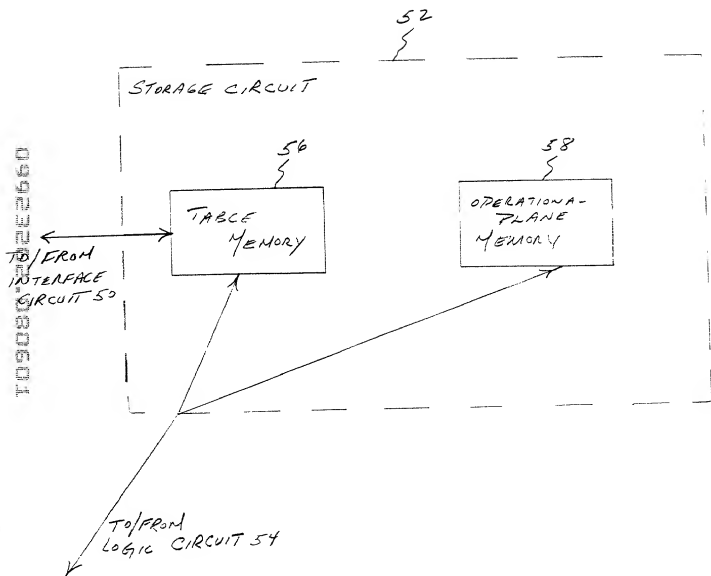


FIGURE 4

109080-2222660

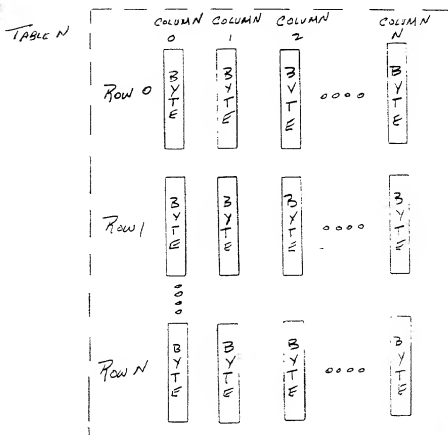
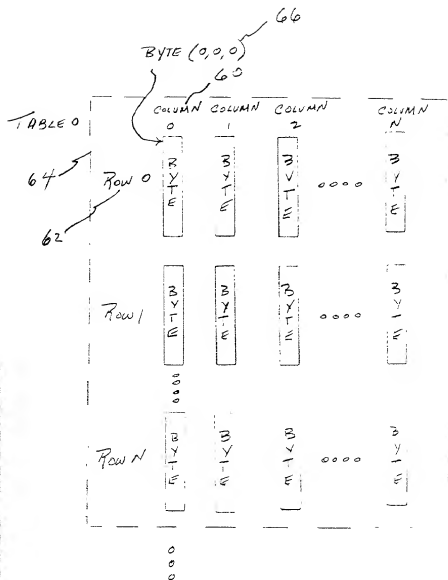


FIGURE 5

MICROPROCESSOR

CRCW DEVICE

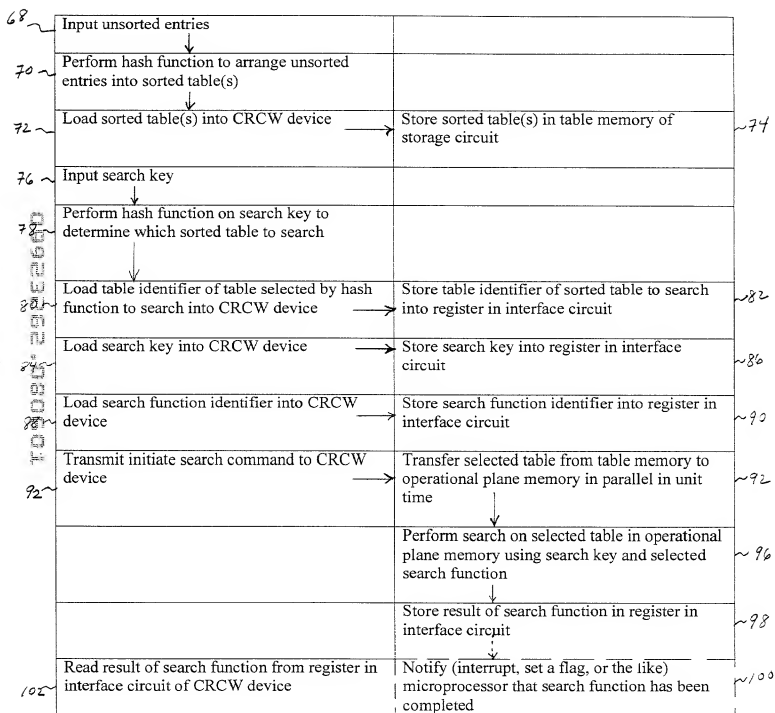


FIGURE 6